

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of: :
Deen Tulshian et al :
: :
For Patent For: : Examiner: To be assigned
High Affinity Ligands for :
Nociceptin Receptor ORL-1 :
: Art Unit: To be assigned
Serial No.: To be assigned :
Filing Date: To be assigned :
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Schering-Plough Corporation
Kenilworth, New Jersey 07033-0530

Commissioner for Patents
PO Box 1450
Alexandria VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This statement is made in compliance with 37 C.F.R. 1.56, 1.97 and 1.98. Applicants enclose a Form PTO-1449 (three pages) listing publications known to applicants that may be relevant to this application. This Statement is being submitted at the time of filing the application.

Applicants note that this application is a divisional of USSN 10/155,277 (parent), which was a divisional of USSN 09/769,824, now US 6,455,527 (grandparent), which was a divisional of USSN 09/359,771, now US 6,262,066 (great-grandparent), which claimed benefit of Provisional Application 60/094,240. The parent applications were subject to restriction requirements. The relevance of the references cited depends on the subject matter pursued in this application, but all previously cited references are listed for the sake of completeness of the record.

Publications AA, AB, AH, AI, AL, AQ-AV, BA and BM-BP were cited in the specification.

Publications AC-AF, AM and BT-BV were cited by the examiner in an earlier patent application corresponding to the provisional.

Publications cited by applicants or the examiner in the great-grandparent application are AG, AN, AO, BG, BL, BQ-BS, CQ-CZ and DQ-DU. Publication AN is in Japanese, and therefore, in compliance with 37 C.F.R. 1.98, applicants cite publication BS, an English abstract of reference AN.

Publications BB-BF, BW and CL-CO were newly cited in the International Search Report of a corresponding international application, WO 00/06545. Publication BC is the English equivalent of CN, and BE is the English equivalent of CO.

Publications CO, CP, the British equivalent of BF and the PCT application corresponding to this application were cited in the International Search Report of related International Application WO 01/07050. Publication CA was cited in the US application corresponding to WO 01/07050.

Publication DV was cited by the examiner in the grandparent application.

Publications EA-EC, EL-EM and EQ were cited in the parent application.

Copies of the cited publications are not provided since they should be available in the parent or earlier applications. If they are not available, the examiner is invited to call the undersigned and copies will be provided.

The examiner is respectfully requested to examine the publications, initial the form PTO-1449 and return a copy of the initialed form to applicants.

Respectfully submitted,

1/21/04

Date

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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: CN0821KD		SERIAL NO.: TO BE ASSIGNED	
INFORMATION DISCLOSURE STATEMENT FOR PATENT <i>(Use several sheets if necessary)</i>				APPLICANT: Deen Tulshian et al			
				FILING DATE: To be assigned		GROUP: To be assigned	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	AA	3,318,900	5/9/67	Janssen	260		
	AB	5,352,707	10/4/94	Pompni et al	514		
	AC	5,654,316	8/5/97	Carruthers et al	514		
	AD	5,489,599	2/6/96	Carter et al	514		
	AE	5,872,115	2/16/99	Binet et al	514		
	AF	4,707,487	11/17/87	Arrang et al	514		
	AG	5,436,255	7/25/95	Butler	514		
	AH	5,270,324	12/14/93	Zamboni et al	514		
	AI	5,472,964	12/5/95	Young et al	514		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	AL	0 856 514	8/5/98	Europe			
	AM	WO 96/26196	8/29/96	WIPO			
	AN	61-225167	10/6/86	Japan			
	AO	921 125	6/9/99	Europe			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Rizzi et al, <i>Life Sciences</i> , 64, 13 (1999), p. PL157-163.					
	AR	Ciccocioppo et al, <i>Psychopharmacology</i> , 141 (1999), p. 220-224.					
	AS	Abstract of WO98/54168.					
	AT	Fawzi et al, <i>Eur. J. Pharmacology</i> , 336 (1997), p. 233-242.					
	AU	Bolser et al, <i>Brit. J. Pharmacology</i> , 114 (1995), p. 735-738.					
	AV	West et al, <i>Molecular Pharmacology</i> , 38 (1990), p. 610-613.					
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	BA	5,296,495	3/22/94	Matsuo et al	514		
	BB	5,583,000	12/96	Ortiz de Montellano et al	435		
	BC	5,698,567	12/97	Guillonneau et al	514		
	BD	4,521,537	6/85	Kosley et al	514		
	BE	5,710,155	1/98	Schnorrenberg et al	514		
	BF	3,311,624	3/67	Ohnacker et al	260		
	BG	5,665,719	9/97	Bock et al	514		

FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION			
					YES	NO		
BL	WO 99/36421	7/22/99	WIPO					
BM	0 480 717	4/15/91	Europe					
BN	WO 97/28797	8/14/97	WIPO					
BO	0 173 516	3/5/86	Europe					
BP	0 199 543	10/29/86	Europe					

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
BQ	Leyesen et al, <i>Eur. J. Pharmacology</i> , 43 (1977), p. 253-267.
BR	Obase et al, <i>Chem. Pharm. Bull.</i> , 30 (1982), p. 474-483
BS	Derwent Abstract No. 86-302680 (for JP 61-225167)
BT	<i>Chem. Abstracts</i> 128:102008
BU	<i>Chem. Abstracts</i> 119:49233
BV	<i>Chem. Abstracts</i> 104:186309
BW	Henderson et al, <i>Trends in Pharm. Sci.</i> , 18 (1997), 293-299.

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	CA	5,658,908	8/19/97	Chang et al	514		
	CB						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	CL	0 121 972	10/84	Europe			
	CM	0 709 375	5/96	Europe			
	CN	0 743 312	11/96	Europe			
	CO	195 19 245	10/96	Germany			
	CP	WO 98/52545	11/98	WIPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CQ	Urch et al, Chem. Abstract 129:67708 (1998)					
	CR	Urch et al, Chem. Abstract 129:27892 (1998)					
	CS	Urch et al, Chem. Abstract 126:104021 (1997)					
	CT	Nagarathnam et al, Chem. Abstract 125:142759 (1996)					
	CU	Fernandez Lopez et al, Chem. Abstract 120:270234 (1994)					
	CV	Glennon, Chem. Abstract 118:225698 (1993)					
	CW	Casy et al, Chem. Abstract 118:93788 (1993)					
	CX	Fan et al, Chem. Abstract 115:64561 (1991)					
	CY	Rao et al, Chem. Abstract 112:158030 (1990)					
	CZ	Ge et al, Chem. Abstract 110:108035 (1989)					
	DQ	Zhou et al, Chem. Abstract 110:18422 (1989)					
	DR	Ding et al, Chem. Abstract 110:8449 (1989)					
	DS	Daum et al, Chem. Abstract 83:71489 (1975)					
	DT	Ohki et al, Chem. Abstract 81:99241 (1974)					
	DU	Helsley, Chem. Abstract 77:5360 (1972)					
	DV	Winter, Analgetics, pp. 10-74 (1965)					
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	EA	4,526,896	7/1985	Scherrer et al	514		
	EB	6,277,991	8/2001	Hohlweg et al	546		
	EC	6,071,925	6/2000	Adam et al	514		
	ED						
	EE						
	EF						
	EG						

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
	EL	997,464	5/2000	Europe			YES	NO
	EM	1,043,141	9/1966	Great Britain				
	EN							
	EO							
	EP							

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
EQ	Stahl et al, <i>Chem. Abstracts</i> 88:182462, 1978.
ER	
ES	
ET	
EU	
EV	
EW	

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